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| OP.  |           | 4,163,138   | 7/31/79               | Harden        |                           |                          |                      | 1 74 1 1011  | MATE      |
| JP.  |           | 4,343,975   | 8/10/82               | Sado          | Sado                      |                          |                      |              |           |
| TP   |           | 4,500,218   | 2/19/85               | Nishika       | wa                        |                          |                      |              |           |
| R  |           | 4,636,593   | 1/13/87               | Novak, et al. |                           |                          |                      |              |           |
| N  |           | 4,772,769   | 9/20/88               | Shumat        | e                         |                          |                      |              |           |
| P  |           | 4,806,908   | 2/21/89               | Krupnil       | k                         |                          |                      |              |           |
| TP   |           | 4,820,310   | 4/11/89               | Fukui         |                           |                          |                      |              |           |
| JP   |           | 4,891,896   | 1/9/90                | Boren         |                           |                          |                      |              |           |
| JP   |           | 5,012,054   | 4/30/91               | Rada, et al.  |                           |                          |                      |              |           |
| TP   |           | 5,036,440   | 7/30/91               | Takli et al.  |                           |                          |                      |              |           |
| <i>3</i> ?   |           | 5,095,409   | 3/10/92               | Dematte       | eo, et al.                |                          |                      |              |           |
|  |           | ·   | FORE                  | IGN PATE      | NT DOCUMENTS              |                          | -                    |              |           |
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| SP               |                              | 5,12              | 20,920                        | 6/9/92             | Morlike                               | 2                         |                        |                      | 11 74 7 1001         | NATE             |
| JP               |                              | 5,23              | 34,744                        | 8/10/93            | Kenmochi                              |                           |                        |                      |                      |                  |
| TP               |                              | 5,43              | 32,684                        | 7/11/95            | Fye, et a                             | al.                       |                        |                      |                      |                  |
| )P               |                              | 5,47              | 77,430                        | 12/19/95           | LaRose                                |                           |                        |                      |                      |                  |
| JP               |                              | 5,51              | 10,782                        | 4/23/96            | Norris,                               | et al.                    |                        |                      |                      |                  |
| JP               |                              | 5,521,345         |                               | 5/28/96            | Wulc                                  |                           |                        |                      |                      |                  |
| JP               |                              | 5,53              | 36,543                        | 7/16/96            | Papandreou                            |                           |                        |                      |                      |                  |
| JP               | .,                           | 5,57              | 77,849                        | 11/26/96           | Durbin, et al.                        |                           |                        |                      |                      |                  |
| TP               |                              | 5,612,692 3/18/97 |                               |                    | Dugas, et al.                         |                           |                        |                      |                      |                  |
| TP               |                              | 5,718,326 2/17/98 |                               | Larose, et al.     |                                       |                           |                        |                      |                      |                  |
| 5,747,756 5/5/98 |                              |                   |                               | Boedecl            | ker                                   |                           |                        |                      |                      |                  |
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|  |                  |  |                |                                       | Giles, et al.             |                                    |                      |               |           |
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| 10   |                  | 5,801,345  | 9/1/98         | Mikula                                | -Curtis, et al.           |                                    |                      | IF AFFROR     | NAIE      |
| 718  |                  | 5,807,002  | 9/15/98        | Tsai                                  |                           |                                    |                      |               | ·         |
| H  |                  | 5,847,336  | 12/8/98        | Thornto                               | on                        |                                    |                      |               |           |
| S  |                  | 5,871,088  | 2/16/99        | Tanabe                                | <del>-</del>              |                                    |                      |               |           |
| R  |                  | 5,911,317  | 6/15/99        | Taai                                  |                           |                                    |                      |               |           |
| 58   | ·                | 5,950,808  | 9/14/99        | Tanabe                                | , et al.                  |                                    |                      |               |           |
| JP   |                  | 5,993,019 11/30/99   |                | Kline, e                              | t al.                     |                                    |                      |               |           |
| 18   | ·                | 6,023,033 2/8/00   |                | Yagi et al.                           |                           |                                    |                      |               |           |
| H  |                  | 6,036,326 3/14/00  |                | Yoshikawa, et al.                     |                           |                                    |                      |               |           |
| Ħ  |                  | 6,057,517 5/2/00   |                | Meyer                                 |                           |                                    |                      |               |           |
| R  | 6,084,190 7/4/00 |  |                | Kenmo                                 | chi                       |                                    |                      |               |           |
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| JV       | 6,217,183   | 4/17/01                 | Shipma                                | n                                     |                   |                    |  |          |
| OP       | 6,224,278   | 5/1/01                  | Nishi                                 |                                       |                   |                    |  |          |
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